

## Post-doctoral position in Gene Therapy/Immunotherapy

Job reference: IMBI-SYNB

**We are seeking a highly motivated and enthusiastic junior Postdoctoral Research Associate to join the group of Dr Anne Galy to develop CRISPR strategies for immunoglobulin gene editing in B cells using novel gene delivery approaches, and to study the immune properties induced in such manner.**

**This research position is located in Evry, France, in the south of Paris and within a leading laboratory in gene therapy. <https://integrare-umrs951.jimdo.com/>**

<b>Laboratory</b>	Genethon UMR_S951 INSERM, IMBI unit
<b>PI</b>	Dr Anne Galy
<b>Salary</b>	commensurate to experience, ca. 3000 euros monthly gross salary
<b>Duration</b>	24 months
<b>Hours of work</b>	Full-time (38.5 h per week)
<b>Annual leave</b>	32 days per year
<b>Start date</b>	October 2019
<b>Application period</b>	Until September, 22 <sup>nd</sup> 2019

### The laboratory

Genethon is a leading expert in the design and development of gene therapy products, for rare diseases and mainly for neuromuscular diseases. The institute has developed important skills in the pre-clinical and clinical development of gene therapy products, in particular gene therapy vectors based mainly on AAV and lentivirus. Genethon is situated in the south of Paris, France and is accessible by public transportation.

Genethon is a clinical-stage organization that integrates all the competences leading to early-phase clinical trials including a core facilities and an active translational research unit which is affiliated with Inserm (the premier French public research institute on human health) and with the local University of Evry/University Paris Saclay ( <https://integrare-umrs951.jimdo.com/> ).

In the research unit, the laboratory of Dr. A. Galy is focused on the hematopoietic and immune systems and develops novel approaches in gene therapies targeting blood or immune function. Recently, the laboratory discovered novel possibilities for gene modification in B cells. A new thematic of work has emerged around immunoglobulin gene editing in B cells in the perspective of therapeutic applications. The project is funded by a grant from the French National Research Agency.

### **The position**

This is a post-doctoral position to conduct research in the field of gene therapy. The mission is to develop new tools to achieve highly efficient genome editing in primary B cells and to modify the antigen-specificity of the antibodies produced by the cells. The immune response of the reprogrammed B cells will be studied. The post is full time, with an appointment for 24 months in the first instance, with an expected start date of October 2019.

The position holder will:

- Design and perform experiments proficiently and reproducibly, analyse complex information and provide concise written and/or oral reports to the PI.
- Work independently and enthusiastically, and keep the PI up-to-date with the progress and timing of agreed experiments.
- Keep excellent records of all experiments and present data at internal and external meetings.
- Contribute to the drafting and submission of papers to appropriate peer-reviewed journals.
- Contribute to the preparation and drafting of research bids and proposals.
- Supervise if needed, other junior researchers, such as research assistants, postgraduate and undergraduate students and visiting scientists.
- Have good communications with other lab members and contribute to the overall running of the lab, participate to the group meetings and journal clubs.
- Take trainings and responsibilities for ensuring a safe, clear, friendly and functional working environment.

### **The candidate**

We are seeking a highly motivated and enthusiastic junior Postdoctoral Research Associate.

#### Qualifications:

- PhD degree in Life Sciences
- Strong experiences in immunology, molecular biology and vector design (required technics: construct design and cloning, tissue culture, PCR/qPCR, western blotting and immunostaining)
- Proven experiences or strong knowledges in CRISPR/Cas9, Immunoglobulin biology and bioinformatics are highly desirable

#### Skills:

- Able to keep accurate records, analyse and write up data
- Good organisational skills and attention to details
- Effective spoken and written communication in English
- Good communication and interpersonal skills

### **Contact**

If your profile matches the description, please send your motivation letter, CV and contact details of two referees indicating <post doctoral position IMBI-SYNB> until the 22<sup>nd</sup> of September 2019 **in a single pdf file**, by email to: [silvestr@genethon.fr](mailto:silvestr@genethon.fr).